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September 13, 1993

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SEP 17 1993

RCOM SECTION

Cynthia L. Hutchison
United States Environmental Protection Agency
Region VII
726 Minnesota Avenue
Kansas City, KS 66101

RE: Steelcote Facility - St. Louis, Missouri
Docket No. VII-91-H-0025

Dear Ms. Hutchison:

Pursuant to paragraph 28 of the above-referenced Administrative Order on Consent, I am enclosing the status report for the month of August, 1993.

Please let me know if you have any questions. Thank you.

Very truly yours,

Alphonse McMahon

AM/bp
Encl.

cc: Douglas A. Niedt (w/ encl.)
Greg Niedt (w/ encl.)
Donald McQueen (w/ encl.)

STATUS REPORT
AUGUST 1993
STEELCOTE FACILITY
ST. LOUIS, MISSOURI

PLANNED ACTIVITIES

Activities which were planned for August 1993 included sixth quarter sampling and analyses and receipt of comments from USEPA on the report "Results of Cone Penetrometer Tests and Reverse Slug Tests, Steelcote Facility, St. Louis, Missouri" which was submitted to USEPA by the client. In addition, work on the final report (due September 30, 1993) was scheduled to begin in later August, after comments on the previously referenced report were received.

ACTUAL ACTIVITIES

Quarterly sampling was completed and analytical results were obtained and are attached to this status report. The sixth quarter was the second successive quarter for which phthalate was analyzed via the 8270 methodology, which is more sensitive than the method previously used. Results for all methods used for both the fifth and sixth quarters indicate that phthalate is present at concentrations several orders of magnitude less than levels of concern.

In a telephone conversation between C. Hutchison and D. McQueen on August 30, 1993, it was learned that the USEPA was satisfied with the report "Results of Cone Penetrometer Tests and Reverse Slug Tests, Steelcote Facility, St. Louis, Missouri" and that no written comments would be forthcoming. As a result, the final report began to be developed.

CLIENT: SHANNON & WILSON, INC.
11500 OLIVE BLVD. SUITE 276
ST. LOUIS, MO 63141
ATTN: LARRY ROSEN

REPORT: 746301SW(175)

DATE : 09-03-93

SAMPLE MATRIX : WATER
ATAS # : 7463.01
DATE SUBMITTED: 08-12-93
SAMPLE ID : SWGW A
PROJECT : Z-301-05 STEELCOTE

PARAMETER	REPORT LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
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VOLATILE ORGANICS

XYLENE	1	ug/L	ND	08-16-93	CLP VOA
TOLUENE	1	ug/L	ND	08-16-93	CLP VOA

QA/QC SURROGATE RECOVERIES

TOLUENE-d8(88-110) 97 % BROMOFLUOROBENZENE(86-115) 98 % 1,2-DICHLOROETHANE-D4(76-114) 100 %

SEMI-VOLATILE ORGANIC

DI(2-ETHYLHEXYL)PHTHALATE	1	ug/L	ND	08-18-93	CLP SVOA
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QA/QC SURROGATE RECOVERIES

NITROBENZENE-d5(35-114) 66 % TERPHENYL-d14(33-141) 41 % 2-FLUOROPHENOL(21-100) 52 %
2-FLUOROBIPHENYL(43-116) 58 % PHENOL-d5(10-94) 64 % 2,4,6-TRIBROMOPHENOL(10-123) 71 %

METALS

BARIUM	6	ug/L	407	08-21-93	CLP METALS
CHROMIUM	4	ug/L	ND	08-21-93	CLP METALS
LEAD	2	ug/L	ND	08-23-93	CLP METALS

ND = NOT DETECTED ABOVE REPORTING LIMIT
ug/L = PARTS PER BILLION(PPB)
B = ANALYTE DETECTED IN THE METHOD BLANK

NOTE: METALS REPORT LIMITS ARE BASED ON ACTUAL INSTRUMENT DETECTION LIMITS

CLIENT: SHANNON & WILSON, INC.
 11500 OLIVE BLVD. SUITE 276
 ST. LOUIS, MO 63141
 ATTN: LARRY ROSEN

REPORT: 746302SW(175)

DATE : 09-03-93

SAMPLE MATRIX : WATER
 ATAS # : 7463.02
 DATE SUBMITTED: 08-12-93
 SAMPLE ID : SWGW B
 PROJECT : Z-301-05 STEELCOTE

PARAMETER	REPORT LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
<u>VOLATILE ORGANICS</u>					
XYLENE	1	ug/L	ND	08-16-93	CLP VOA
TOLUENE	1	ug/L	ND	08-16-93	CLP VOA
<u>QA/QC SURROGATE RECOVERIES</u>					
TOLUENE-d8(88-110)	96 %	BROMOFLUOROBENZENE(86-115)	98 %	1,2-DICHLOROETHANE-D4(76-114)	103 %
<u>SEMI-VOLATILE ORGANIC</u>					
DI(2-ETHYLHEXYL)PHTHALATE	1	ug/L	3	08-18-93	CLP SVOA
<u>QA/QC SURROGATE RECOVERIES</u>					
NITROBENZENE-d5(35-114)	95 %	TERPHENYL-d14(33-141)	35 %	2-FLUOROPHENOL(21-100)	52 %
2-FLUOROBIPHENYL(43-116)	49 %	PHENOL-d5(10-94)	73 %	2,4,6-TRIBROMOPHENOL(10-123)	66 %
<u>METALS</u>					
BARIUM	6	ug/L	584	08-21-93	CLP METALS
CHROMIUM	4	ug/L	ND	08-21-93	CLP METALS
LEAD	2	ug/L	15.7	08-23-93	CLP METALS

ND = NOT DETECTED ABOVE REPORTING LIMIT

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B = ANALYTE DETECTED IN THE METHOD BLANK

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CLIENT: SHANNON & WILSON, INC.
 11500 OLIVE BLVD. SUITE 276
 ST. LOUIS, MO 63141
 ATTN: LARRY ROSEN

REPORT: 746303SW(175)

DATE : 09-03-93

SAMPLE MATRIX : WATER
 ATAS # : 7463.03
 DATE SUBMITTED: 08-12-93
 SAMPLE ID : SWGW C
 PROJECT : Z-301-05 STEELCOTE

PARAMETER	REPORT LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
<u>VOLATILE ORGANICS</u>					
XYLENE	50	ug/L	2100	08-16-93	CLP VOA
TOLUENE	50	ug/L	ND	08-16-93	CLP VOA
<u>QA/QC SURROGATE RECOVERIES</u>					
TOLUENE-d8(88-110)	95 %	BROMOFLUOROBENZENE(86-115)	98 %	1,2-DICHLOROETHANE-D4(76-114)	105 %
<u>SEMI-VOLATILE ORGANIC</u>					
DI(2-ETHYLHEXYL) PHTHALATE	1	ug/L	2	08-19-93	CLP SVOA
<u>QA/QC SURROGATE RECOVERIES</u>					
NITROBENZENE-d5(35-114)	62 %	TERPHENYL-d14(33-141)	37 %	2-FLUOROPHENOL(21-100)	56 %
2-FLUOROBIPHENYL(43-116)	56 %	PHENOL-d5(10-94)	56 %	2,4,6-TRIBROMOPHENOL(10-123)	72 %
<u>METALS</u>					
BARIUM	6	ug/L	223	08-21-93	CLP METALS
CHROMIUM	4	ug/L	ND	08-21-93	CLP METALS
LEAD	2	ug/L	ND	08-23-93	CLP METALS

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NOTE: METALS REPORT LIMITS ARE BASED ON ACTUAL INSTRUMENT DETECTION LIMITS

CLIENT: SHANNON & WILSON, INC.
 11500 OLIVE BLVD. SUITE 276
 ST. LOUIS, MO 63141
 ATTN: LARRY ROSEN

REPORT: 746304SW(175)

DATE : 09-03-93

SAMPLE MATRIX : WATER
 ATAS # : 7463.04
 DATE SUBMITTED: 08-12-93
 SAMPLE ID : SWGW D
 PROJECT : Z-301-05 STEELCOTE

PARAMETER	REPORT LIMIT	UNITS	RESULTS	DATE ANALYZED	METHOD REFERENCE
<u>VOLATILE ORGANICS</u>					
XYLENE	1	ug/L	14	08-16-93	CLP VOA
TOLUENE	1	ug/L	ND	08-16-93	CLP VOA
<u>QA/QC SURROGATE RECOVERIES</u>					
TOLUENE-d8(88-110) 94 % BROMOFLUOROBENZENE(86-115) 102 % 1,2-DICHLOROETHANE-D4(76-114) 105 %					
<u>SEMI-VOLATILE ORGANIC</u>					
DI(2-ETHYLHEXYL) PHTHALATE	1	ug/L	3	08-18-93	CLP SVOA
<u>QA/QC SURROGATE RECOVERIES</u>					
NITROBENZENE-d5(35-114) 58 % TERPHENYL-d14(33-141) 35 % 2-FLUOROPHENOL(21-100) 52 %					
2-FLUOROBIPHENYL(43-116) 60 % PHENOL-d5(10-94) 61 % 2,4,6-TRIBROMOPHENOL(10-123) 60 %					
<u>METALS</u>					
BARIUM	6	ug/L	710	08-21-93	CLP METALS
CHROMIUM	4	ug/L	8.8	08-21-93	CLP METALS
LEAD	2	ug/L	32.7	08-26-93	CLP METALS

ND = NOT DETECTED ABOVE REPORTING LIMIT
 ug/L = PARTS PER BILLION(PPB)
 B = ANALYTE DETECTED IN THE METHOD BLANK

NOTE: METALS REPORT LIMITS ARE BASED ON ACTUAL INSTRUMENT DETECTION LIMITS



Shannon & Wilson, Inc.

400 N. 34th Street, Suite 100
Seattle, WA 98103
(206) 632-8020

11500 Olive Blvd., Suite 276
St. Louis, MO 63141
(314) 872-8170

2055 Hill Road
Fairbanks, AK 99707
(907) 479-0600

5430 Fairbanks Street, Suite 3
Anchorage, AK 99518
(907) 561-2120

W.D.
8/13/93
SWG.BA

Chain of Custody Record

Page 1 of 1
Laboratory ATAS
Attn: WALTER

Analysis Parameters/Sample Container Description (include preservative if used)

Sample Identity	Lab No.	Time	Date Sampled	Comp.	Grab	FORMALDEHYDE	METALS	VOA	SEMI VOA	Total Number of Containers	Remarks/Matrix
SWG W A	7463.01	10:05	8.12.93		X	X	X	X		5	
SWG W B	02	11:15			X	X	X	X		5	
SWG W C	03	1330			X	X	X	X		5	
SWG W D	04	1445			X	X	X	X		5	
SWG W MS	05	1500			X	X	X	X		5	
SWG W MSD	06	1525			X	X	X	X		5	

Project Information		Sample Receipt		Relinquished By: 1.		Relinquished By: 2.		Relinquished By: 3.	
Project Number: <u>Z 301-05</u>	Total Number of Containers: <u>30</u>	COC Seals/Intact? Y/N/NA: <u>NA</u>	Received Good Cond./Cold: <u>Y</u>	Signature: <u>Jackie L Brooks</u>	Time: <u>16:05</u>	Signature: _____	Time: _____	Signature: _____	Time: _____
Project Name: _____	Delivery Method: <u>HAND DELIVERED</u> (attach shipping bill, if any)			Printed Name: <u>JACKIE L BROOKS</u>	Date: <u>8-12-93</u>	Printed Name: _____	Date: _____	Printed Name: _____	Date: _____
Contact: <u>LARRY ROSEN</u>	Ongoing Project? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			Company: <u>Shannon & Wilson</u>		Company: _____		Company: _____	
Sampler: <u>JLB</u>									
Instructions				Received By: 1.		Received By: 2.		Received By: 3.	
Requested Turn Around Time: <u>SEE LARRY ROSEN</u>				Signature: <u>Walter Dotson</u>	Time: <u>1605</u>	Signature: _____	Time: _____	Signature: _____	Time: _____
Special Instructions: _____				Printed Name: <u>WALTER DOTSON</u>	Date: <u>8/12/93</u>	Printed Name: _____	Date: _____	Printed Name: _____	Date: _____
				Company: <u>ATAS</u>		Company: _____		Company: _____	

Distribution: White - w/shipment - returned to Shannon & Wilson w/ Laboratory report
Yellow - w/shipment - for consignee files
Pink - Shannon & Wilson - Job File